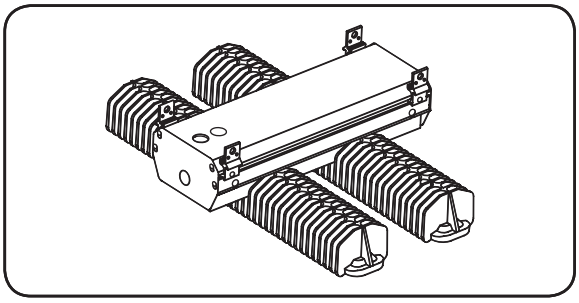
GE
Lighting Solutions

Installation Guide

Albeo™ LED Luminaire

Modular High & Low Bay Lighting
ABHG-Series CE



BEFORE YOU BEGIN

Read these instructions completely and carefully.

Save These Instructions

Use only in the manner intended by the manufacturer.
If you have any questions, contact the manufacturer.

Prepare Electrical Wiring

Electrical Requirements

- The LED luminaire must be connected to the mains supply according to its ratings on the product label.
- Use an input cord with 3 conductors each with a cross-section between 1,5mm^2 and 2,5mm^2 of type HD-21 or HD-22.
- Suitable for use indoors.

Grounding Instructions

- The grounding and bonding of the overall system shall be done in accordance to local electric code of the country where the luminaire is installed.

⚠ WARNING

RISK OF ELECTRIC SHOCK

- Turn power off before inspection, installation or removal.
- Properly ground electrical enclosure.

RISK OF FIRE

- Follow all local codes.
- Use only IEC approved wire for input/output connections. Minimum size 18 AWG (0,75mm^2).

imagination at work

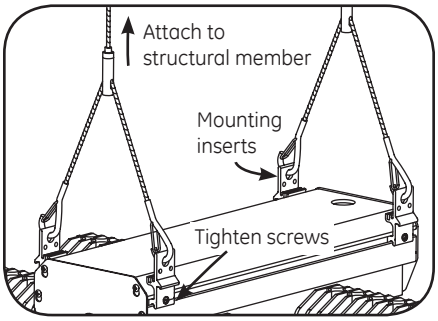
Luminaire Installation

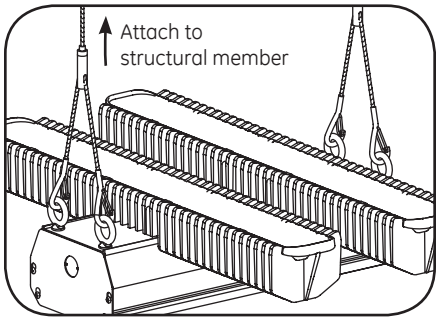
1. Carefully unpack unit and properly inspect for defects before installing. Wear work gloves to prevent dirt and oil from being transferred to the luminaire.

2. Select the appropriate mounting method based on the ordering number logic chosen.

Fixture Weight

ABHG-series LED Modules	Max. Weight
1 module	5,9 kg
2 modules	7,7 kg
3 modules	14,1 kg
4 modules	16,4 kg





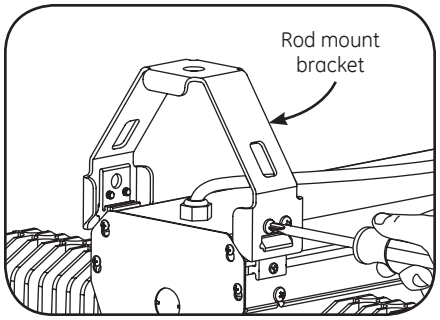
3. **Chain or Cable Mounting:** Please follow local codes and minimum load rating guidelines when selecting and installing a cable or chain.

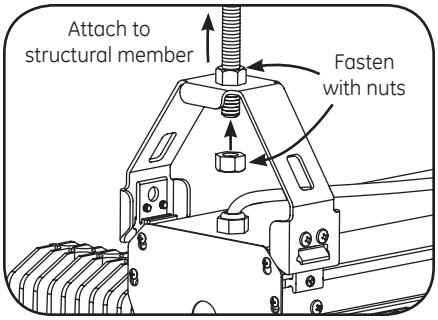
   NOTE: When selecting chain, a joint in a circular chain link shall be welded. A joint in a chain link of another shape shall not be located within 30 degrees of the vertical unless welded.

4. **Direct Mounting:** Hang two chains/cables from a structural member of the ceiling. Fixture must be supported independently of an outlet box. Tighten adjustment screws on all four mounting inserts, then attach chain or cable to mounting inserts on both ends of fixture.

5. **Indirect Mounting for Uplighting:** Hang two chains/cables from a structural member of the ceiling. Fixture must be supported independently of an outlet box. Attach chain or cable to eye bolt mounts on both ends of fixture.

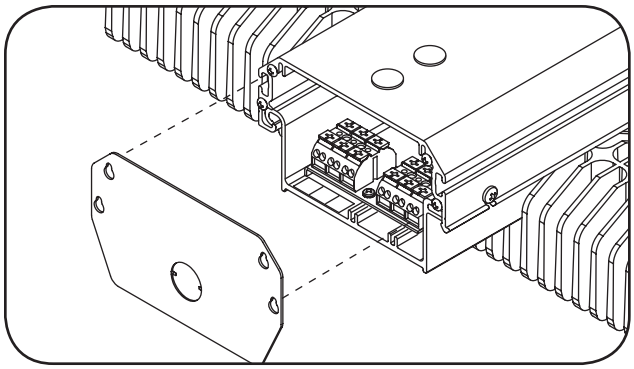
   Note: Mounted fixture must have a minimum distance to lighted objects of 0,25m.



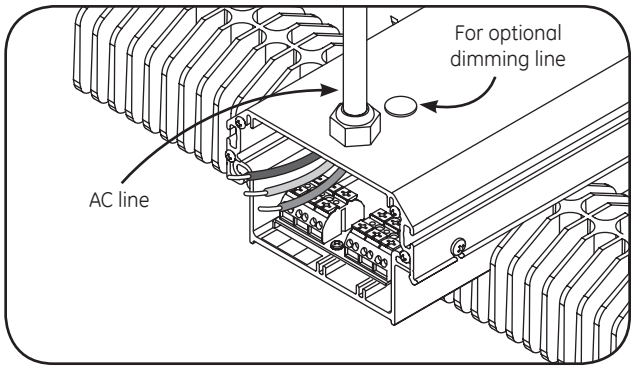


6. **Rod Mount Kit:** Attach two rod mount brackets to fixture using four 10-32 x 3/8" pan head screws per bracket. Secure 1/2" threaded rods into structural members in ceiling. Place a nut on each threaded rod where fixture should hang. Slide fixture onto threaded rods and tighten second nut onto rods to secure fixture.

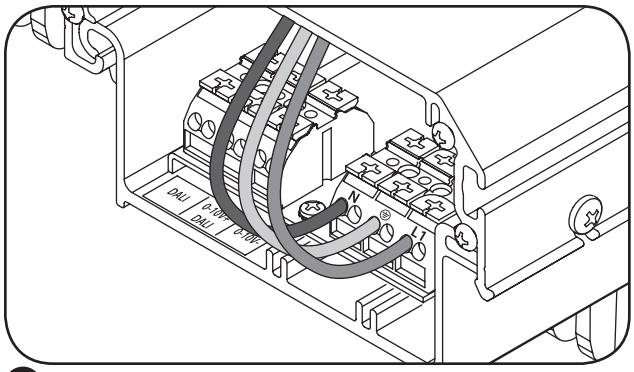
Electrical Connections (220–240V~)



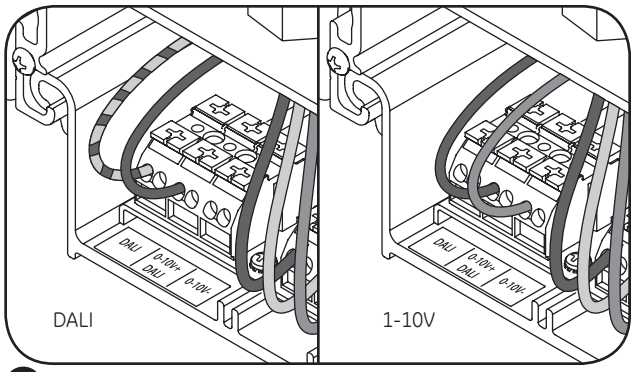
1. Loosen screws to remove endcap.



2. Bring AC line through the first hole on top of the fixture using supplied cable gland. Optionally, bring the dimming control wires through the second hole on top of the fixture using supplied cable gland.

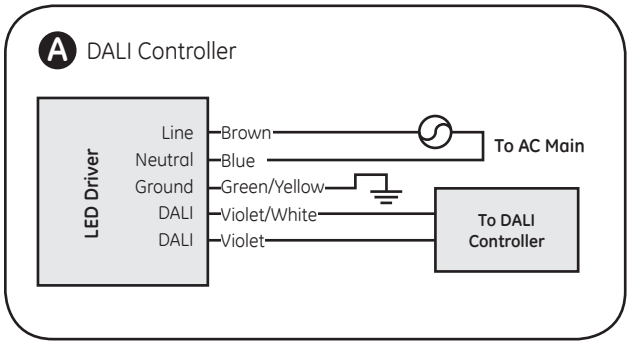


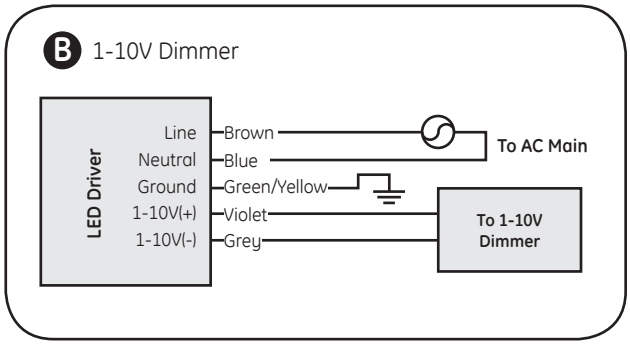
3 Connect the AC line to the power terminal block as follows: Brown to L1, Blue to N, and Green/yellow to ground. Reattach endcap if there is no dimming line.



4 **Optional DALI and 1-10V Dimming:** Follow wiring diagram below. Reattach endcap.

Optional 1-10V Volt Dimming or DALI Lighting Controller





For Step 4: Follow diagram A for DALI or diagram B for 1-10V. The LED luminaire is pre-programmed for either DALI or 1-10V dimming at the factory. Run wires from controller through a different knockout than the AC input wire. At output side of LED driver, make appropriate connections to the dimming terminal block. Follow lighting controller installation instructions.

Troubleshooting

Symptom	Solution
Luminaire will not turn on.	• Check that the color of the supply side wires match the color of the wires they are connected to. • Check that all wire connectors are properly connected. • Verify that your input voltage is within specs.
Mounting insert slides from side to side.	• Check that the mounting insert is properly tightened using the adjustment screws provided.

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